



EPA Region 5 Records Ctr.



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October 15, 1997

Mr. Thomas Alcamo
U.S. EPA Region 5
77 W. Jackson Blvd. SR-6J
Chicago, IL 60604-3590

RE: Plan of Remedial Activities for Holmden Avenue Property

Dear Mr. Alcamo:

This document contains plans for the removal activities of contaminated soils for property located on Holmden Avenue in Cleveland, Ohio. This document is written in conjunction with information generated by ENTACT in the *Master Metals - Holmden Avenue Site* packet dated April 10, 1997.

Remediation activities are scheduled to begin approximately October 20th, 1997. ENTACT crew members, upon finishing final activities at the Master Metal site, will be re-deployed to complete the remediation of this property.

The following is a summary of work items that will be initiated to complete the clean-up of this property.

Mobilization/Site Preparation

The project will commence with the deployment of OSHA 40 Hour Hazardous Materials trained technicians. These technicians will be coming directly from the Master Metals Facility. This crew is extremely familiar with the area and with this type of remediation work.

Mobilization to the Holmden Avenue Property site will consist of moving minimal personnel and equipment. Equipment already in place at the Master Metals facility will be utilized as much as possible. The office trailer that was used during emergency removal actions will be continued to be used due to its close proximity and prior hook-up of electricity, phones, and restroom facilities. This will enable a continued strong support base for administrative office tasks.

Site preparation tasks will involve notifying home owners adjacent to the site of upcoming work activities that will be performed. These homeowners will also be told of any potential safety and

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# OF PAGES INCLUDING THIS SHEET: 4	

COMMENTS:

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health issues regarding the site. Prior to any digging, a utility locator will be notified to check the area for buried hazards. Equipment operators will be informed of any buried hazards as well as reminded of any overhead hazards. Project specific safety measures will be reviewed, instituted, and enforced. A grid layout system will be completed on contaminated areas to determine exact areas of excavation.

Equipment will most likely consist of a long stick excavator, a wheel loader, and engineering controls such as pressure washers for dust suppression. Additional equipment will include an XRF instrument, sampling equipment, and decontamination equipment.

Work zones will be established and enforced near the work area. The safe zone will be designated as the area away from the primary contamination and operations. This will most likely be located at the front of the property nearest Holmden Avenue. An exclusion zone will be established in the area surrounding the actual excavation operations. Decontamination zones will be established to facilitate decontamination of personnel and equipment.

Air Sampling

Air monitoring will be performed on site to ensure that all personnel and surrounding homes are not exposed to airborne contamination through airborne emissions. Air quality samples will be collected with low volume samplers in potential generation areas. Potential generation areas will consist of the excavation area, and any other contaminated material handling area. Low volume air monitors will be positioned upwind, downwind and inside of these areas. If possible and applicable, the weather station used during the Master Metals clean-up may be used if deemed necessary by on-site project management.

Field Activities

Field activities will commence the week of October 20th and will last approximately 2 weeks. Notification of work activities to home owners, grid layout, and site preparation and mobilization will be first. Excavation activities will begin immediately afterward. Areas exhibiting lead concentrations of over 400 ppm will be excavated. Utilizing a long stick excavator, areas that are down slope will be dug from either the top or the bottom of the property slope. A wheel loader or excavator may be used to scrape the top six inches of material from level portions of the site. An XRF device will be utilized to guide excavation activities thus minimizing the amount of soil required to be excavated.

The excavated material will be loaded directly into dump trucks and brought to the Master Metals facility. It will be placed in the on-site storage tank that was constructed during the emergency removal action. Temporary stockpiling of the material in this location will allow for adequate characterization while minimizing human exposure which may occur if the material is stockpiled at Holmden Avenue.

Verification Sampling

Once XRF analyses indicate the removal criteria has been met, verification samples will be collected. Excavation will be verified using confirmation sampling. One laboratory verification grab sample will be collected from each grid. In the case of slopes, the established grid will be extended down the slope and one sample location will be collected at each extended grid slope location. The samples will be collected, handled and analyzed at the laboratory with proper quality assurance/quality control procedures. The confirmation sampling will be utilized to verify clean-up criteria has been met.

Site Restoration

Following confirmation of clean-up levels, excavation area restoration will begin. In order to minimize open excavation areas, ENTACT will begin the restoration process as soon as possible after gaining laboratory verification sample results indicating the cleanup objective of 400 ppm has been obtained.

Backfill material will be obtained from an off-site source. Samples will be obtained from the backfill source to ensure that the material is indeed clean. This material will then be placed in the excavated areas. The areas will be returned to drainage grade and re-seeded.

Slope
Stabilizer /

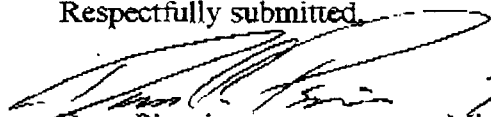
Demobilization

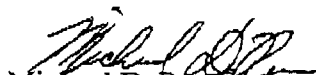
With the verified completion of all work items, demobilization activities will begin. All equipment and supplies brought to the site will be removed.

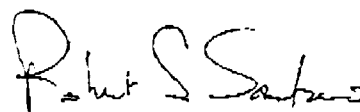
As stated earlier, work activities for this scope are scheduled to be completed within a two week time period. This can vary depending on turn around times of laboratory samples and/or inclement weather.

Should you have any questions regarding the above, please contact me at (630) 616-2100.

Respectfully submitted,


Dean Pisani
ENTACT


Michael DeRosa
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Robert S. Santoro
ENTACT